USSN 08/943,776 Amendment and Response RECEIVED
CENTRAL FAX CENTER
JUL 0 7 2006

## AMENDMENTS TO THE CLAIMS

This listing of the claims will replace all prior versions and listings of claims in the application:

- 1. (previously presented) An isolated DNA molecule selected from the group consisting of:
- (a) DNA encoding a protein comprising amino acids 1 through 417 of SEQ ID NO: 2; and
- (b) DNA encoding a protein comprising an amino acid sequence that is at least about 99% identical to amino acids 1 through 417 of SEQ ID NO: 2, wherein the polypeptide is capable of inducing apoptosis and identity is determined using the GAP computer program.
  - 2.-5. (canceled)
- 6. (original) A recombinant expression vector comprising a DNA sequence according to claim 1.
  - 7.-9. (canceled)
- 10. (original) A host cell transformed or transfected with an expression vector according to claim 6.
  - 11.-12. (canceled)
- 13. (previously presented) A process for preparing a protein having an amino acid sequence comprising amino acids 1 through 417 of SEQ ID NO: 2, or a protein comprising an amino acid sequence at least about 99% identical to amino acids 1 through 417 of SEQ ID NO: 2, comprising culturing a host cell according to claim 10 under conditions promoting protein expression.
  - 14.-15. (canceled)

## USSN 08/943,776 Amendment and Response

- 16. (previously presented) An isolated polypeptide selected from the group consisting of:
  - (a) a polypeptide comprising amino acids 1 through 417 of SEQ ID NO: 2; and
- (b) a polypeptide comprising an amino acid sequence that is at least about 99% identical to amino acids 1 through 417 of SEQ ID NO: 2, wherein the polypeptide is capable of inducing apoptosis and the percent identity is calculated using the GAP computer program.
  - 17-19. (canceled)
  - 20. (withdrawn) An antibody immunoreactive with AIR.
  - 21. (withdrawn) The antibody of claim 20 which is a monoclonal antibody.
  - 22.-28. (canceled).
  - 29. (previously presented) An isolated DNA molecule comprising SEQ ID NO: 1.
  - 30. (canceled).
- 31. (currently amended) An isolated polypeptide having an extracellular domain comprising amino acids residues 1 through 199 of SEQ ID NO: 2. or a fragment thereof, wherein the fragment is capable of inducing apoptosis.
- 32. (previously presented) A fusion protein comprising the polypeptide of claim 31.
- 33. (previously presented) An isolated DNA molecule encoding a polypeptide comprising amino acids 1 through 411 of SEQ ID NO: 6, or a fragment thereof, wherein the fragment is capable of inducing apoptosis.
- 34. (previously presented) The DNA of claim 33 wherein the fragment comprises amino acids 31 through 190 of SEQ ID NO: 6.

USSN 08/943,776 Amendment and Response

- 35. (previously presented) An isolated DNA molecule encoding a polypeptide comprising an amino acid sequence that is at least 70% identical to SEQ ID NO: 6, wherein the protein is capable of inducing apoptosis.
- 36. (previously presented) An isolated DNA molecule comprising SEQ ID NO: 5.
- 37. (previously presented) A recombinant expression vector comprising the DNA molecule of claim 33 or claim 35.
- 38. (previously presented) A host cell transformed or transfected with an expression vector according to claim 37.
- 39. (previously presented) A process for preparing a protein comprising amino acids 1 through 411 of SEQ ID NO: 6 or a fragment thereof, comprising culturing a host cell containing a vector comprising the DNA of claim 33.
- 40. (previously presented) An isolated polypeptide comprising the amino acid sequence set forth in SEQ ID NO: 6, or a fragment thereof, wherein the fragment is capable of inducing apoptosis.
- 41. (previously presented) The polypeptide of claim 40 wherein the polypeptide comprises amino acids 31 through 190 of SEQ ID NO: 6.
- 42. (previously presented) A fusion polypeptide comprising the polypeptide of claim 40.
- 43. (currently amended) An isolated polypeptide emprising consisting of an amino acid sequence that is at least 70% identical to SEQ ID NO: 6, wherein the polypeptide is capable of inducing apoptosis.